SEQUENCE LISTING


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<110>  Geron Corporation
       Irving, John
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<120>  Chimeric Cytolytic Viruses for Cancer Treatment
<130>  084,002

<140>  [unknown]
<141>  2001-12-17

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<151>  2000-12-18

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<170>  PatentIn version 3.1

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23

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<213> Homo sapiens

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<400> 2

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gcaacc atg agc agc gag gcc gag acc cag cag ccg ccc gcc gcc ccc   168
       Met Ser Ser Glu Ala Glu Thr Gln Gln Pro Pro Ala Ala Pro
        1               5                  10
ccc gcc gcc ccc gcc ctc agc gcc gcc gac acc aag ccc ggc act acg   216
Pro Ala Ala Pro Ala Leu Ser Ala Ala Asp Thr Lys Pro Gly Thr Thr
15                  20                  25                  30
ggc agc ggc gca ggg agc ggt ggc ccg ggc ggc ctc aca tcg gcg gcg   264
Gly Ser Gly Ala Gly Ser Gly Gly Pro Gly Gly Leu Thr Ser Ala Ala
                35                  40                  45
cct gcc ggc ggg gac aag aag gtc atc gca acg aag gtt ttg gga aca   312
Pro Ala Gly Gly Asp Lys Lys Val Ile Ala Thr Lys Val Leu Gly Thr
            50                  55                  60
gta aaa tgg ttc aat gta agg aac gga tat ggt ttc atc aac agg aat   360
Val Lys Trp Phe Asn Val Arg Asn Gly Tyr Gly Phe Ile Asn Arg Asn
        65                  70                  75
gac acc aag gaa gat gta ttt gta cac cag act gcc ata aag aag aat   408
Asp Thr Lys Glu Asp Val Phe Val His Gln Thr Ala Ile Lys Lys Asn
    80                  85                  90
aac ccc agg aag tac ctt cgc agt gta gga gat gga gag act gtg gag   456
Asn Pro Arg Lys Tyr Leu Arg Ser Val Gly Asp Gly Glu Thr Val Glu
95                  100                 105                 110
ttt gat gtt gtt gaa gga gaa aag ggt gag gag gca gca aat gtt aca   504
Phe Asp Val Val Glu Gly Glu Lys Gly Glu Glu Ala Ala Asn Val Thr
                115                 120                 125
ggt cct ggt ggt gtt cca gtt caa ggc agt aaa tat gca gca gac cgt   552
Gly Pro Gly Gly Val Pro Val Gln Gly Ser Lys Tyr Ala Ala Asp Arg
            130                 135                 140
aac cat tat aga cgc tat cca cgt cgt agg ggt cct cca cgc aat tac   600
Asn His Tyr Arg Arg Tyr Pro Arg Arg Arg Gly Pro Pro Arg Asn Tyr
        145                 150                 155
cag caa aat tac cag aat agt gag agt ggg gaa aag aac gag gga tcg   648
Gln Gln Asn Tyr Gln Asn Ser Glu Ser Gly Glu Lys Asn Glu Gly Ser
    160                 165                 170
gag agt gct ccc gaa ggc cag gcc caa caa cgc cgg ccc tac cgc agg   696
Glu Ser Ala Pro Glu Gly Gln Ala Gln Gln Arg Arg Pro Tyr Arg Arg
175                 180                 185                 190
cga agg ttc cca cct tac tac atg cgg aga ccc tat ggg cgt cga cca   744
Arg Arg Phe Pro Pro Tyr Tyr Met Arg Arg Pro Tyr Gly Arg Arg Pro
                195                 200                 205
cag tat tcc aac cct cct gtg cag gga gaa gtg atg gag ggt gct gac   792
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Gln Tyr Ser Asn Pro Pro Val Gln Gly Glu Val Met Glu Gly Ala Asp
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aac cag ggt gca gga gaa caa ggt aga cca gtg agg cag aat atg tat        840
Asn Gln Gly Ala Gly Glu Gln Gly Arg Pro Val Arg Gln Asn Met Tyr
        225             230             235
cgg gga tat aga cca cga ttc cgc agg ggc cct cct cgc caa aga cag        888
Arg Gly Tyr Arg Pro Arg Phe Arg Arg Gly Pro Pro Arg Gln Arg Gln
    240             245             250
cct aga gag gac ggc aat gaa gaa gat aaa gaa aat caa gga gat gag        936
Pro Arg Glu Asp Gly Asn Glu Glu Asp Lys Glu Asn Gln Gly Asp Glu
255             260             265             270
acc caa ggt cag cag cca cct caa cgt cgg tac cgc cgc aac ttc aat        984
Thr Gln Gly Gln Gln Pro Pro Gln Arg Arg Tyr Arg Arg Asn Phe Asn
            275             280             285
tac cga cgc aga cgc cca gaa aac cct aaa cca caa gat ggc aaa gag       1032
Tyr Arg Arg Arg Arg Pro Glu Asn Pro Lys Pro Gln Asp Gly Lys Glu
        290             295             300
aca aaa gca gcc gat cca cca gct gag aat tcc cgc tcc cga ggc tga       1080
Thr Lys Ala Ala Asp Pro Pro Ala Glu Asn Ser Arg Ser Arg Gly
        305             310             315
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cctaaagtac ttgcttttg ccgtttgcaa ccagataaat agaactatct gcattatcta      1260
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<210>   3
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<212>   PRT
<213>   Homo sapiens

<400>   3

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Gly Ala Gly Ser Gly Gly Pro Gly Gly Leu Thr Ser Ala Ala Pro Ala
        35              40              45
Gly Gly Asp Lys Lys Val Ile Ala Thr Lys Val Leu Gly Thr Val Lys
    50              55              60
Trp Phe Asn Val Arg Asn Gly Tyr Gly Phe Ile Asn Arg Asn Asp Thr
65              70              75              80
Lys Glu Asp Val Phe Val His Gln Thr Ala Ile Lys Lys Asn Asn Pro
            85              90              95
Arg Lys Tyr Leu Arg Ser Val Gly Asp Gly Glu Thr Val Glu Phe Asp
            100             105             110
Val Val Glu Gly Glu Lys Gly Glu Glu Ala Ala Asn Val Thr Gly Pro
        115             120             125
Gly Gly Val Pro Val Gln Gly Ser Lys Tyr Ala Ala Asp Arg Asn His
    130             135             140
Tyr Arg Arg Tyr Pro Arg Arg Arg Gly Pro Pro Arg Asn Tyr Gln Gln
145             150             155             160
Asn Tyr Gln Asn Ser Glu Ser Gly Glu Lys Asn Glu Gly Ser Glu Ser
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              165              170              175

Ala Pro Glu Gly Gln Ala Gln Gln Arg Arg Pro Tyr Arg Arg Arg Arg
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Phe Pro Pro Tyr Tyr Met Arg Arg Pro Tyr Gly Arg Arg Pro Gln Tyr
            195              200              205

Ser Asn Pro Pro Val Gln Gly Glu Val Met Glu Gly Ala Asp Asn Gln
            210              215              220

Gly Ala Gly Glu Gln Gly Arg Pro Val Arg Gln Asn Met Tyr Arg Gly
225              230              235              240

Tyr Arg Pro Arg Phe Arg Arg Gly Pro Pro Arg Gln Arg Gln Pro Arg
                245              250              255

Glu Asp Gly Asn Glu Glu Asp Lys Glu Asn Gln Gly Asp Glu Thr Gln
                260              265              270

Gly Gln Gln Pro Pro Gln Arg Arg Tyr Arg Arg Asn Phe Asn Tyr Arg
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Arg Arg Arg Pro Glu Asn Pro Lys Pro Gln Asp Gly Lys Glu Thr Lys
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<211> 3360
<212> DNA
<213> Human cytomegalovirus

<400> 4

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26

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